Product datasheet

anti-CD10 mouse monoclonal, CB-CALLA, purified

Short overview

Cat. No.	691558
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	CB-CALLA
Immunogen	Human PBLs
Formulation	PBS with 0.02% sodium azide
UniprotID	P08473 (Human)
Synomym	Neprilysin, EC 3.4.24.11, Atriopeptidase, Common acute lymphocytic leukemia antigen, CALLA, Enkephalinase, Neutral endopeptidase 24.11, NEP, Neutral endopeptidase, Skin fibroblast elastase, SFE, CD antigen CD10, MME, EPN
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human

Applications

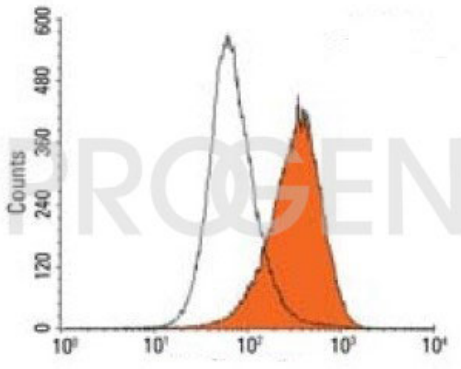
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)

Background

CB-CALLA reacts with CD10 or CALLA, a cell surface enzyme with neutral metalloendopeptidase activity, inactivating a variety of biologically active peptides. CD10 is a 100 kDa glycoprotein, expressed on 70% of pre-B ALL cells (common ALL), but also on early lymphoid progenitor cells in bone marrow and fetal liver. Other normal CD10 positive tissues include renal epithelium, fibroblasts and germinal centre B-cells. Density of CD10 antigen has been shown to be related to cell differentiation and may have prognostic value for B-cell lineage acute leukemia. CD10 is also present on breast myoepithelial cells, bile canaliculi, fibroblasts, with especially high expression on the brush border of kidney and gut epithelial cells.

Positive control: Raji cells, tonsil, small intestine or kidney.

Product images



FCM with human peripheral blood lymphocytes (PBL)